

Credit Name: CSE 3120 Object-Oriented Programming 1

Assignment Name: Lunch Order Mastery

Describe the errors you've encountered while working on this assignment. What caused the error and how do you overcome the error?

Error 1:

```
45 //store user value in the num
46 numham = input.nextInt();
47 //print hamburger facts
48 System.out.println("Each ham
49 "g of carbs, " + ham
50
51 //prompt user for number of
52 System.out.println("Enter nu
53 //store user value in the num
54 numsalad = input.nextInt();
55 //print salad facts
56 System.out.println("Each sala
57 "g of carbs, " + sala
58
59 //prompt user for the number
60 System.out.println("Enter nu
61 //store user value in the num
62 numff= input.nextInt();
63 //print French Fries facts
64 System.out.println("Each orde
65 "g of carbs, " + ff.
66
67 //prompt user for the number
68 System.out.println("Enter nu
69 //store user value in the num
70 numsoda = input.nextInt();
71 //print soda facts
```

Program shows error on storing user input.

Program wont run either.

```
//Prepare scanner for user input
Scanner userInput = new Scanner(System.in);
```

I realized that my Scanner name was **userinput**, but I wrote just input.

```
//Prepare scanner for user input
Scanner input = new Scanner(System.in);
```

Changed scanner name to input

```

45 //store user value in the n
46 numham = input.nextInt();
47 //print hamburger facts3
48 System.out.println("Each ha
49 "g of carbs, " + ha
50
51 //prompt user for number of
52 System.out.println("Enter n
53 //store user value in the n
54 numsalad = input.nextInt();
55 //print salad facts
56 System.out.println("Each sa
57 "g of carbs, " + sa
58
59 //prompt user for the numbe
60 System.out.println("Enter n
61 //store user value in the n
62 numff= input.nextInt();
63 //print French Fries facts
64 System.out.println("Each or
65 "g of carbs, " + ff
66
67 //prompt user for the numbe
68 System.out.println("Enter n
69 //store user value in the n
70 numsoda = input.nextInt();
71 //print soda facts
72 System.out.println("Each so

```

Errors went away.

Now that the scanner issue is fixed, I need to fix the next issue in the program.

Error 2:

```

34 // Ex. FoodInfo soda = new FoodInfo(price, carbs, fat, fib
35 FoodInfo hamburger = new FoodInfo(1.85 + 33 + 9 + 1);
36 FoodInfo salad = new FoodInfo(2.00 + 11 + 1 + 5);
37 FoodInfo ff = new FoodInfo(1.30 + 36 + 11 + 4);
38 FoodInfo soda = new FoodInfo(0.95 + 38 + 0 + 0);
39
40 //Test for correct output for user

```

Program not running at all, and the following errors were shown.

```

new FoodInfo(price, carbs, fat, fiber);
w FoodInfo(1.85 + 33 + 9 + 1);

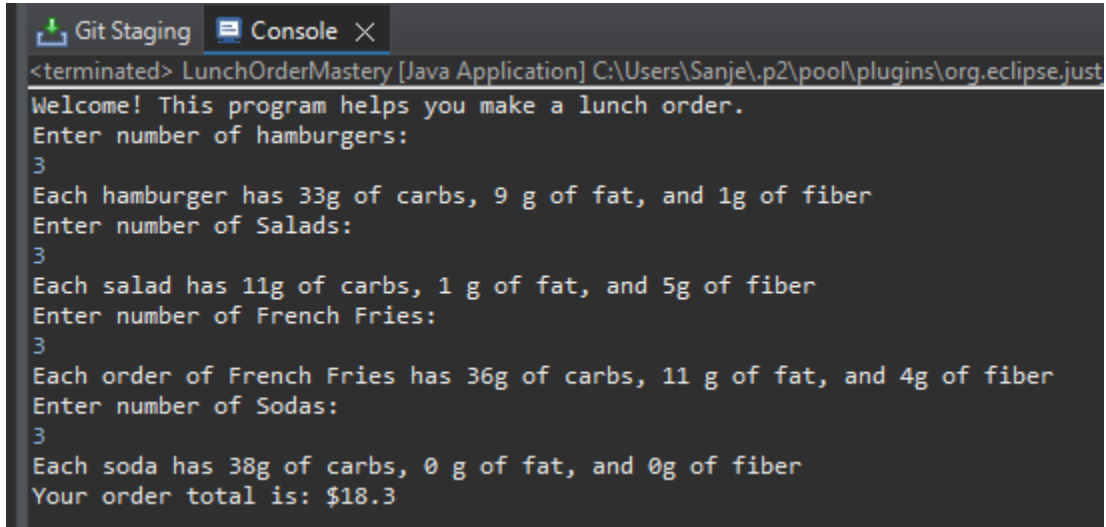
```

- ➔ Add arguments to match 'FoodInfo(double, int, int, int)'
- ➔ Change constructor 'FoodInfo(double, int, int, int)': Remove parameters 'ir
- ➔ Create constructor 'FoodInfo(double)'

Eclipse hinted why the error occurred. I then understood that it must match the format of FoodInfo, which was separated by commas, not + signs. This makes sense, because I am supposed to list the different amounts, not add them together.

```
// Ex. FoodInfo soda = new FoodInfo(price, carbs, fat, fiber);  
FoodInfo hamburger = new FoodInfo(1.85, 33, 9, 1);  
FoodInfo salad = new FoodInfo(2.00, 11, 1, 5);  
FoodInfo ff = new FoodInfo(1.30, 36, 11, 4);  
FoodInfo soda = new FoodInfo(0.95, 38, 0, 0);
```

After adding commas instead of + signs, there is no more code error!



```
<terminated> LunchOrderMastery [Java Application] C:\Users\Sanje\.p2\pool\plugins\org.eclipse.just  
Welcome! This program helps you make a lunch order.  
Enter number of hamburgers:  
3  
Each hamburger has 33g of carbs, 9 g of fat, and 1g of fiber  
Enter number of Salads:  
3  
Each salad has 11g of carbs, 1 g of fat, and 5g of fiber  
Enter number of French Fries:  
3  
Each order of French Fries has 36g of carbs, 11 g of fat, and 4g of fiber  
Enter number of Sodas:  
3  
Each soda has 38g of carbs, 0 g of fat, and 0g of fiber  
Your order total is: $18.3
```

Program now works fine!